



Truck driving support

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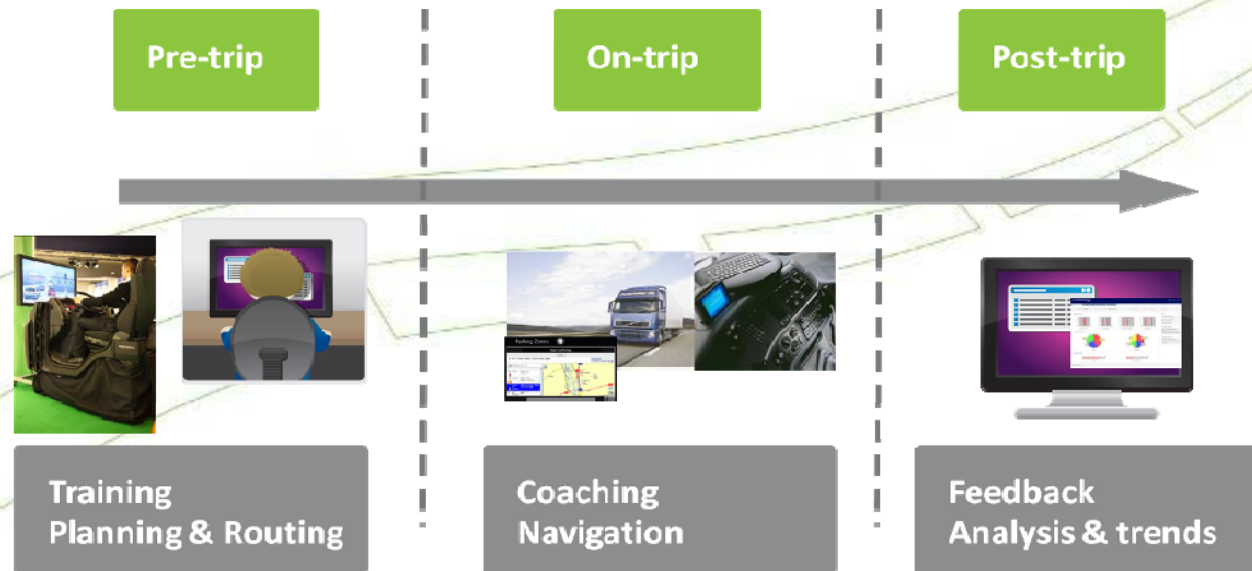


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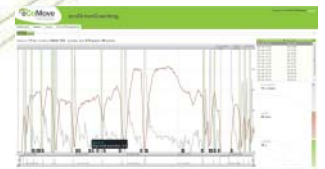
The freight & fleet global picture

- Once the tour and the route have been calculated, eCoMove supports the truck driver to drive it the most fuel efficient way.



The solution developed

- ecoDriverCoaching system, composed of:
 - On-board application for real-time eco-driving advices
 - Backoffice web interface, for driver and fleet manager to analyze past trips
 - Driving simulator, for training in urban scenarios



On-board application

Pre-trip

- Tip of the day
- Checklist

On-trip

- Real time driving advice

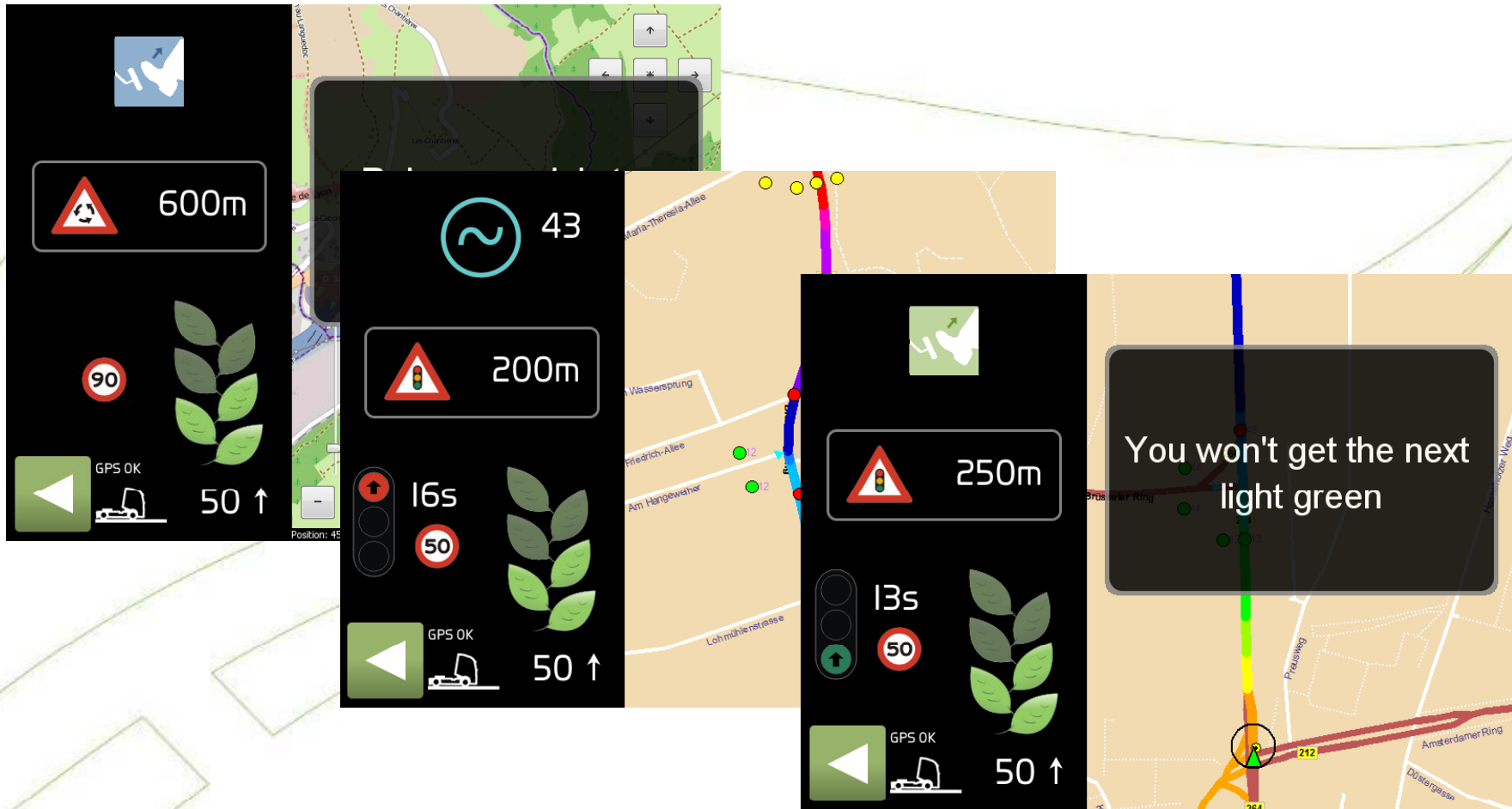
Post-trip

- Trip summary and scores
- Exchange with backoffice

On-board application – on-trip

- Provides real-time advices to the driver based on the driving situation on 3 layers:
 - **Vehicle data:**
 - Use of accelerator, brake, retarder
 - **Map data:**
 - Speed limits, coasting before events, topography
 - **Cooperative data:**
 - Speed advice to pass through I2V-equipped intersections

On-board application – on-trip



On-board application – post-trip

- Once the trip is finished, the driver can review his performance

The screenshot displays a multi-layered interface for reviewing a truck trip. The top layer shows the 'Last trip score' and date. The middle layer lists various performance metrics such as distance, fuel, duration, consumption, speed, and coasting. The bottom layer provides a detailed breakdown of driving behaviors like acceleration, idling, retarder use, and speed, along with a map of the trip route in Aachen, Germany. Navigation controls are visible throughout the interface.

Last trip score	
Date	2013-10-09 12:05
Distance	7,24 ^k
Fuel	1,56 ^l
Duration	00:15:
Consumption	21,49
Speed	27,61
Coasting	22,99

Overall score		53 ↗	
Acceleration	50 →	Anticipation	
Idling	50 →	Inertia	
Retarder	60 ↗	Shifting	
Speed	43 ↗		

Map: Last trip score. Shows a red route through Aachen, Germany, with various road types and landmarks labeled.

Backoffice application

- Logged trips are sent to the backoffice
- Driver can review his trips
- Fleet manager can review his whole fleet, and manage teams of drivers



Driving simulator

- Urban driving showing ecoDriverCoaching in eCoMove use cases
- Come and try it yourself in the exhibition area!



ecoDriverCoaching trucks

- ecoDriverCoaching was tested on driving simulator and Volvo and DAF trucks.
- 2 trucks participate in the demo tour, come!





Thank you for your attention

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